

What is claimed is:

- 1 1. A light tube for illumination by a power
2 supply circuit comprising:
3 a bulb portion,
4 a pair of end caps disposed at opposite ends of
5 the bulb portion, and
6 a plurality of light emitting diodes disposed
7 inside the bulb portion and in electrical communication
8 with the pair of end caps for illuminating in response to
9 electrical current to be received from the power supply
10 circuit.
- 1 2. The light tube of claim 1 wherein the pair
2 of end caps are shaped to be coupled with a fluorescent
3 light tube socket.
- 1 3. The light tube of claim 2 wherein the pair
2 of end caps are electrical bi-pin connectors.
- 1 4. The light tube of claim 1 wherein the bulb
2 portion and the pair of end caps are dimensioned to be
3 mounted in a fluorescent light tube socket.
- 1 5. In a replacement light tube for a
2 fluorescent light fixture having a light tube socket and
3 a power supply circuit, the improvement comprising:
4 a plurality of light emitting diodes disposed inside a
5 bulb portion and in electrical communication with a pair
6 of end caps for illuminating in response to electrical
7 current to be received from the fluorescent light
8 fixture.
- 1 6. The improvement of claim 5 wherein the
2 plurality of light emitting diodes are mounted to a
3 circuit board.

1 7. The improvement of claim 5 wherein the
2 plurality of light emitting diodes are mounted at a
3 angular off-set to establish a predetermined radiation
4 pattern of light.